

Minimum Qualification Specifications  
for the Class:

TRAFFIC SIGNAL ELECTRICIAN

Experience Requirement:

Two years of work experience which demonstrates possession of knowledge of electricity and electronic theories; practices, tools, equipment, instruments, and materials used in electrical and electronic repair; and the ability to read and interpret plans, blueprints, manufacturer's specification, and diagrams of electrical/electronic circuits.

The knowledge and ability may be demonstrated through, but not limited to, experience which involved the following:

- (1) tests voltages and resistances of circuits to isolate defects by following schematic diagrams and by using voltmeter, oscilloscope, signal generator, and other electronic testing instruments;
- (2) repairs electronic equipment, such as computers, industrial controls, radar systems, telemetering and missile control systems, transmitters, antennas, and servomechanisms, by following blueprints and manufacturers' specifications, and by using handtools and test instruments such as oscilloscopes, multimeters, etc.

Quality of Experience:

Possession of the required amount of experience will not in itself be accepted as proof of qualification. The applicant's overall experience must conclusively demonstrate that he has the ability to perform the duties of the position for which he is being considered.

Substitution of Education for Experience:

Completion of a two year program in electronics technology or a baccalaureate degree in electrical engineering may be substituted for the experience requirement.

License Requirements:

Applicants must possess a current journeyman electrician's license and a valid motor vehicle operator's license.

Tests:

Applicants must qualify on the appropriate examination for the class. For non-competitive actions, the examination may be waived.

Physical Requirements:

Applicants must be physically able to perform efficiently the duties of the position, which are described elsewhere in this specification. Good distant vision in one eye and ability to read without strain printed material the size of typewritten characters are required, glasses permitted. Must be able to distinguish basic colors. Ability to hear the conversational voice, with or without a hearing aid, is required. In addition, applicants must possess emotional and mental stability. Any physical condition which would cause the applicant to be a hazard to himself or to others will disqualify the applicant for appointment.

An applicant with a handicap will be considered upon demonstration of ability to perform the required tasks or have the ability or means to compensate for his handicap sufficiently to perform the job.

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This is the first minimum qualification specification for the new class TRAFFIC SIGNAL ELECTRICIAN.

Approved: December 29, 1976

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(for) DONALD BOTELHO  
Director of Personnel Services

Note: Change class code from 10.069 to 10.072 per circular  
no. 98-5